Prajval Raval

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SUMMARY

Experienced Full Stack Engineer with 5+ years of hands-on expertise in building reliable, scalable web applications using React, Node.js, MongoDB, and Express.js. Proven track record of engineering full products from 0→1 stage, owning everything from system design to deployment, and delivering business-critical features in fast-paced environments.

PROFESSIONAL EXPERIENCE

Viasat Inc. **Oct 2022 – May 2025**
Senior Full Stack Engineer (Contract) Remote

- Designed and implemented a full-stack firmware build automation platform using **React, Node.js, and MongoDB**, integrated with GitHub APIs to trigger OpenWRT image builds and provide a downloadable archive via a web dashboard with versioning and timestamps.
- Built a full-stack self-service tool using Node.js and React to provision virtualized router testing environments via LXC (Linux Containers), enabling developers to launch isolated networks on demand, reducing setup time by 60% and accelerating QA cycles.
- Delivered a network simulation dashboard using the MERN stack, allowing testers to emulate satellite link conditions with TUN/TAP tunnel-based VPN, greatly improving the accuracy of pre-deployment validations.

Civilsdaily **Sep 2020 – Aug 2022**
Full Stack Engineer (Full-Time) Remote

- **Joined as the first engineer**. Planned and applied system-wide analytics infrastructure using Node.js, MongoDB, React, and custom data aggregation pipelines, enabling real-time insights into user behavior.
- Delivered key user-facing features alongside core platform work, including livestreaming support and chat-to-PDF export with custom-designed layouts in collaboration with the UI designer, boosting content engagement and resource sharing by 95% among active users.
- Played a key role in the platform's mobile-first transition by helping architect the new stack with **React Native, NestJS, and Redis Pub/Sub**, and developed scalable real-time messaging features used daily by 2,000+ concurrent users.
- Mentored incoming engineers and established Agile workflows, increasing team productivity by 3× and accelerating delivery timelines through improved code reviews, modular architecture, and onboarding processes.

Viasat Inc. **Jun 2020 – Nov 2020**
Full Stack Developer (Contract) Remote

- Engineered a real-time integration between Viasat's chatbot and Salesforce LiveAgent using **TypeScript, React, and REST APIs**, enabling seamless agent handoff and improving support response times by 70%.
- Developed modular React front-end components to manage live chat sessions and support workflows, reducing agent training time by 30%.
- Increased chatbot engagement by 400% by expanding platform support from 1 to 4 channels, building robust backend integrations in TypeScript for WhatsApp, Messenger, and SMS.

Rocket.Chat **Jun 2019 – Aug 2019**
Summer Engineering Intern (Internship) Remote

- Created and shipped 4 Node.js voice assistant integrations (Alexa & Google Assistant) from a **0→1 stage**, expanding Rocket.Chat's accessibility across smart devices.
- Fixed a critical login bug affecting 100% of custom OAuth users, restoring access for enterprise deployments; patch merged and **recognized in official release notes**.
- Authored comprehensive technical documentation and deployment guides, and implemented localization support for 11 languages in projects, enabling wider adoption across global developer communities.

EDUCATION

Gujarat Technological University **2018 – 2022**
B.E. Information Technology CGPA: 8.73

SKILLS

- **Programming Languages:** TypeScript, JavaScript, Python, C, C++.
- **Frameworks/Libraries:** React, Node.js, NestJS, React Native, Express.js.
- **Database:** MongoDB, Redis, MySQL, Mongoose, Prisma, PostgreSQL.
- **Cloud/DevOps Tools:** Git, Github, AWS, Docker, GCP, Bash, Ansible, CI/CD.